



ELSEVIER

Aquacultural Engineering 27 (2003) 317–318

aquacultural
engineering

www.elsevier.com/locate/aqua-online

Contents of volume 27

January 2003 (Volumes 27, Number 1)

Empirical relationship between conventionally determined pH and in situ values in waterlogged soils G. Ritvo, Y. Avnimelech and M. Kochba (Haifa, Israel)	1
A model for food nutrient dynamics of semi-intensive pond fish culture L. Li (Ottawa, Canada; Pathumthani, Thailand) and A. Yakupitiyage (Pathumthani, Thailand)	9
Techniques to mitigate clay turbidity problems in fertilized earthen fish ponds Y. Yi, C.K. Lin (Pathumthani, Thailand) and J.S. Diana (Ann Arbor, MI, USA)	39
Pumping effect on particle sizes in a recirculating aquaculture system J.D. McMillan, F.W. Wheaton (College Park, MD, USA), J.N. Hochheimer (Fairfax, VA, USA) and J. Soares (College Park, MD, USA) . . .	53
Effluent treatment for flow through systems and European Environmental Regulations A. Bergheim (Stavanger, Norway) and A. Brinker (Langenargen, Germany)	61
AES Application Form	79
Guide for Authors	81

February 2003 (Volume 27, Number 2)

Evaluation of different combined collectors used in longlines for blue mussel farming O.-I. Lekang, T.K. Stevik and A.M. Bomo (Aas, Norway)	89
Micro-particles in recirculating aquaculture systems: determination of particle density by density gradient centrifugation R.N. Patterson, K.C. Watts and T.A. Gill (Halifax, Canada)	105
Fish cage and mooring system dynamics using physical and numerical models with field measurements D.W. Fredriksson, M.R. Swift (Durham, NH, USA), J.D. Irish (Woods Hole, MA, USA), I. Tsukrov and B. Celikkol (Durham, NH, USA)	117
Characterization of effluent from an inland, low-salinity shrimp farm: what contribution could this water make if used for irrigation D. McIntosh and K. Fitzsimmons (Tucson, AZ, USA)	147
AES Application Form	157

March 2003 (Volumes 27, Number 3)

Water quality and nutrient budget in closed shrimp (<i>Penaeus monodon</i>) culture systems D.P. Thakur (Pathumthani, Thailand; Kochi, Japan) and C.K. Lin (Pathumthani, Thailand)	159
Guidance of single guppies (<i>Poecilia reticulata</i>) to allow sorting by computer vision I. Karplus, M. Gottdiener and B. Zion (Bet Dagan, Israel)	177
Dynamics of a mussel longline system W. Raman-Nair and B. Colbourne (St. John's, Canada)	191
Development of a seal rehabilitation and marine science facility's seawater and life support system J.E. Huguenin (Manchester, NH, Buzzards Bay, MA, USA), J.L. Chase (Manchester, NH, USA) and S.R. Chapman (Manchester, NH, Wal-doboro, ME, USA)	213
AES Application Form	247

April 2003 (Volume 27, Number 4)

The hydraulically integrated serial turbidostat algal reactor (HISTAR) for microalgal production K.A. Rusch and J. Michael Christensen (Baton Rouge, LA, USA)	249
The effect of agricultural fertilizer on growth rate of benthic diatoms J.A. Simental and M.P. Sánchez-Saavedra (México, Mexico)	265
Prototype Testing of the Appurtenance for Settleable Solids In-raceway Separation (ASSIST) K.B. Wong and R.H. Piedrahita (Davis, CA, USA)	273
Assessing sediment removal capacity of vegetated and non-vegetated settling ponds in prawn farms H. Halide, P.V. Ridd, E.L. Peterson (Townsville, Australia) and D. Foster (Cairns, Australia)	295
AES Application Form	315
Volume contents.	317

